

Mapolene PPC500 is a medium impact, high flow copolymer polypropylene resin characterized by easy mold flow, physical property balance and excellent dimensional stability. Typical applications include housewares, containers and other rigid packaging.

Mapolene PPC500

Polypropylene ~ Impact Copolymer	Melt Flow	50
General Purpose Injection Molding	Izod	1.7

Properties ¹	ASTM	Units	Value
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	50
Density	ASTM D1505	g/cm ³	.900
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	3000
Flexural Modulus (1% Secant)	ASTM D790	psi	145,000
Izod Impact, Notched @73°	ASTM D256	ft-lb/in	1.7
Elongation at Yield	ASTM D638	%	5
Heat Deflection Temperature @66 psi	ASTM D648	°F	199

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

¹Properties will vary and are not to be used for specification purposes.

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